

IN THE CLAIMS

Please replace any previous listing of the claims with the following replacement listing of the claims:

Replacement Listing of the Claims

1. (Canceled)
2. (Canceled)
3. (Currently amended) The interposer of claim 443, wherein said electrically conductive contact button has a plurality at least two of said surface voids are disposed on one side of said carrier.
4. (Currently amended) The interposer of claim 444, wherein at least two of said surface voids of said first and second electrically conductive contact buttons are in registration with one another and disposed on said opposite sides of said carrier.
5. (Currently amended) The interposer of claim 444, wherein said carrier comprises a plurality of said electrically conductive vias each disposed in electrical contact with a different one of a plurality of said hollow bodiesfirst electrically conductive contact buttons and with a different one of a plurality of said second electrically conductive contact buttons.
6. (Currently amended) An interposer for connecting a module to a printing wiring board comprising:

a carrier that has at least one electrically conductive via disposed between first and second opposed surfaces thereof and that is disposed so that said via is

in registration with a connector of said module and a connector of said printed wiring board; and

~~at least one~~first electrical contact button that is hollow, that is disposed in on said first surface in electrical contact with said via for forced physical and electrical contact with the connector of said module and a second electrical contact button that is hollow, that is disposed on said second surface in electrical contact with said via for forced physical and electrical contact with the connector of said printed wiring board, wherein each of said first and second contact buttons ~~and that~~ has at least one surface void.

7. (Canceled)

8. (Currently amended) The interposer of claim 6, wherein each of said first electrical contact button and said second electrical contact button comprises a plurality of surface voids, ~~at least two of which are disposed on one side of said carrier.~~

9. (Currently amended) The interposer of claim 6, wherein said surface void of said first electrical contact button and said surface void of said second contact button ~~are comprises at least two surface voids~~ in registration with one another ~~and disposed on opposite sides of said carrier.~~

10. (Currently amended) The interposer of claim 6, wherein said carrier comprises a plurality of said vias each in electrical contact with a different one of a plurality of said first electrical contact buttons and with a different one of a plurality of said second electrical contact buttons.

11-40. (Canceled)

41. (Currently amended) The interposer of claim ~~4~~43, wherein said at least one of ~~said~~ surface voids is located to receive an optical signal so that said ~~hollow body~~electrically conductive contact button accommodates both optical and electrical signals.

42. (Currently amended) The interposer of claim ~~4~~3, wherein said plurality of surface voids is arranged in a birdcage pattern.

43. (New) An interposer comprising an electrically insulating carrier, at least one electrically conductive via disposed in said carrier between first and second opposed surfaces thereof, an electrically conductive contact button that is hollow, that is disposed on said first surface in electrical contact with said electrically conductive via, that covers an opening of said via in said first surface, and that has at least one surface void therein so as to accommodate forced physical contact when compressed.

44. (New) The interposer of claim 43, wherein said contact button is a first electrically conductive contact button, and further comprising a second electrically conductive contact button that is hollow, that is disposed on said second surface in electrical contact with said electrically conductive via, that covers an opening of said via in said second surface, and that has at least one surface void therein so as to accommodate forced physical contact when compressed.